VIDEOINSIGHT®
Enterprise Video Management

5.5.20 Release Notes

General

5.5.20 has been released. New features and Camera Support have been added to this version.

- Ability to Add custom layouts start in the web client
- Dual streaming support for Axis and IQ Eye cameras
- File Export feature has been enhanced
- Guard Tour with the ability to add comment and run reports
- Keep days feature allows a configured number of days of recorded video to be kept, instead of relying on the Reserved Disk Space
- Multi Day Export for Synchronized Player
- Enhanced the way we support legacy Acti PTZ's and dual streaming Mobotix cameras
- Added the Advidia A-200 and increased support for Dante and GeoVision cameras

A full breakdown of each feature and camera added to the software can be found in the notes below.

New Features

Default Layouts for Web Client

The Web Client can now be configured to start with a custom layout. This feature allows the End User to have their low resolution layouts load in the Web Client when using Hi Resolution Association.

To configure the Custom Layout there are two registry keys that need to be set inside the Microsoft Windows Video Insight Web Client Registry Folder:

Go to the Windows Start menu and search for **regedit** and Select

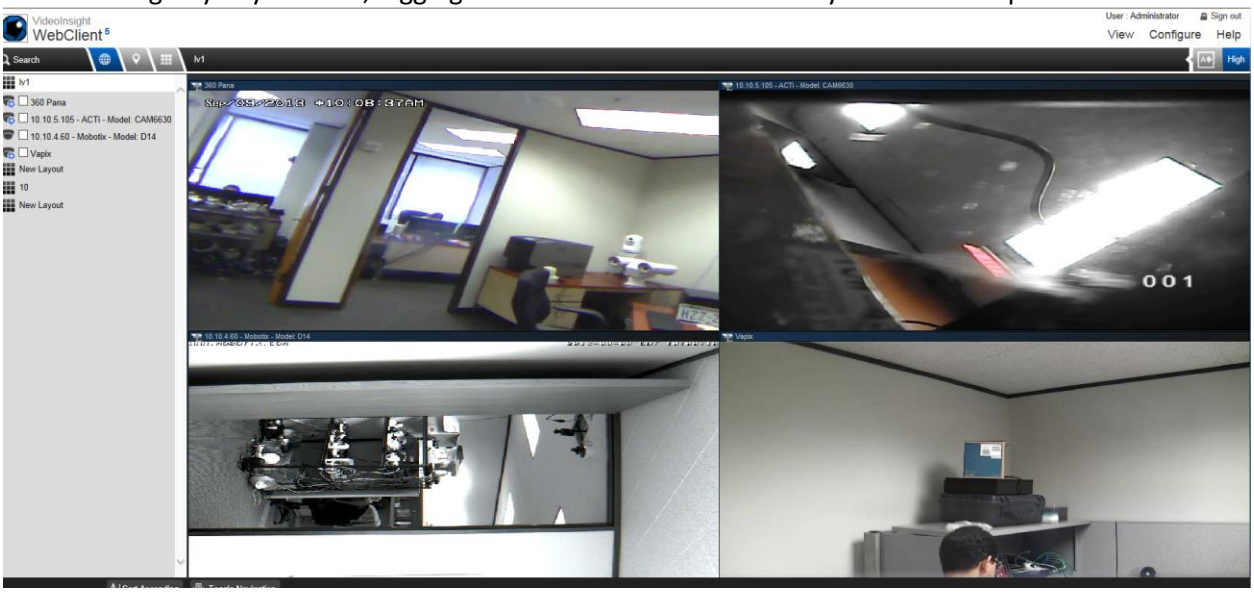
Name	Type	Data
(Default)	REG_SZ	(value not set)
DataConnectionString	REG_SZ	yhcWFqEri0YoaoYuqgsOzy48hycNKTWnllfJmjDEcEh/Fe...
DefaultView	REG_SZ	2
DefaultItem	REG_SZ	33277262

DefaultView-This designates which directory is displayed.

0=Server
1=Maps
2=Layouts

DefaultItem- This designates which item from the specified directory is displayed. The default item ID can be a ServerID, Facility Map ID or Layout ID. These values can be found in the database.

Once the Registry Keys are set, logging into the Web Client will show you the items specified:



Dual Streaming Support

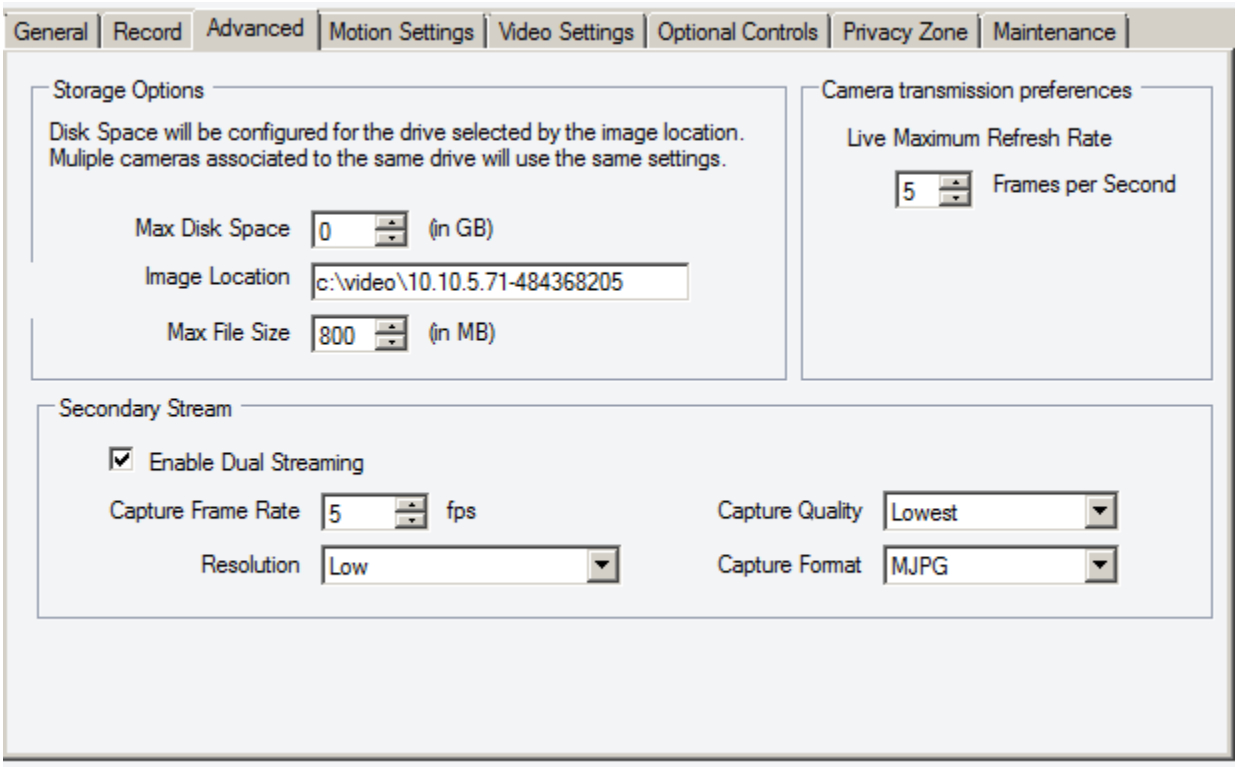
The Dual Streaming feature allows a select variety of cameras to stream a secondary lower resolution, lower frame rate feed from the camera to any connected Monitor Station. The secondary stream can be in a different compression format if the camera supports multiple formats. This stream is designed to allow users to have cameras displayed in a lower resolution when viewing multi-camera layouts inside Monitor Station. When switching to a single camera layout the Monitor Station will display the primary stream from the camera.

* **Note:** Dual streaming works separately from Hi resolution Association. Hi resolution Association requires the camera to be added twice and to have a custom layout created for all of your Hi resolution Association cameras. Dual Streaming only requires being enabled inside the Monitor Station. Once it is turned on, the camera will send the secondary stream to any Monitor Station viewing that camera inside a multi-camera layout.

Cameras that support Dual Streaming:
Axis (223m, M1104, M1114, M3014, M3114)
Axis (P1344, P3344, P3344v, P3344ve, P1346, P5534)
Axis (Q1755, Q1755e, Q6034)
IQ Eye (732, 802, 803, 805, 852, 853, 855, A12, A13, A15)

* **Note**: The above list contains the camera with Dual Streaming feature that Video Insight is supporting at this time. We will add more cameras in future revisions.

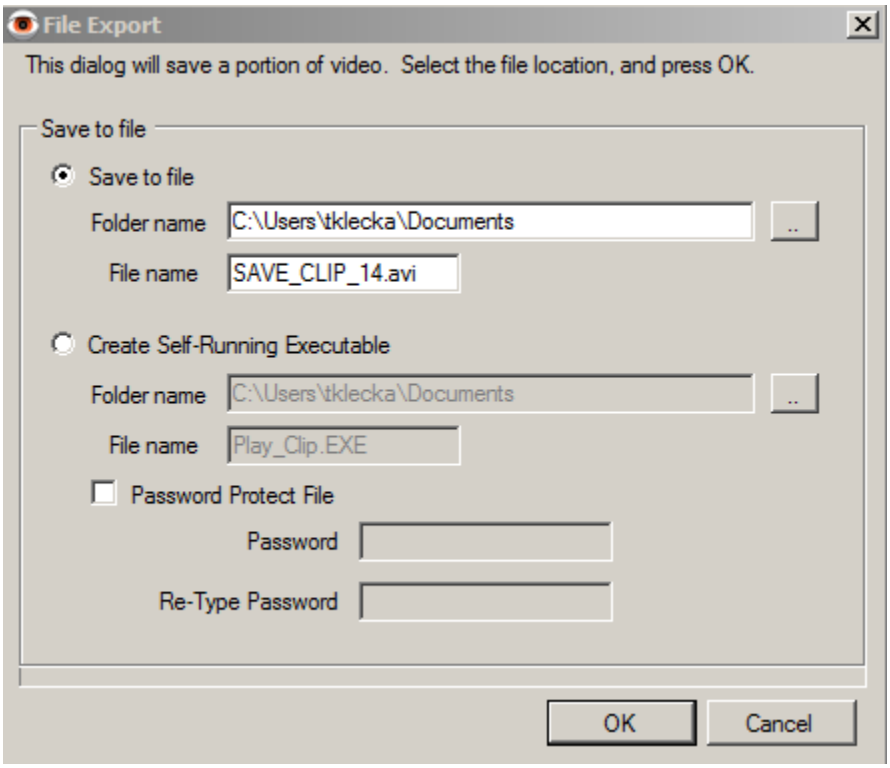
To enable Dual Streaming:



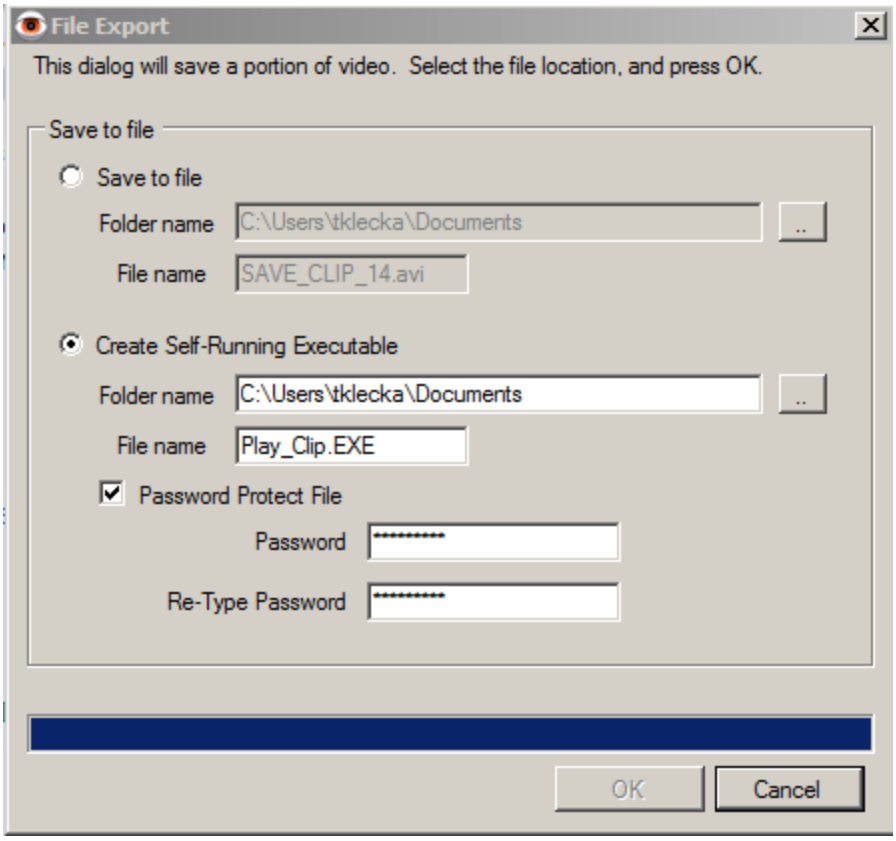
****Changing these settings only effect the secondary stream, but enabling the secondary stream may cause your primary stream resolution to drop. Many cameras cannot support two streams at full resolution so when the second stream is enabled the maximum resolution goes down for both streams over all.**

File Export

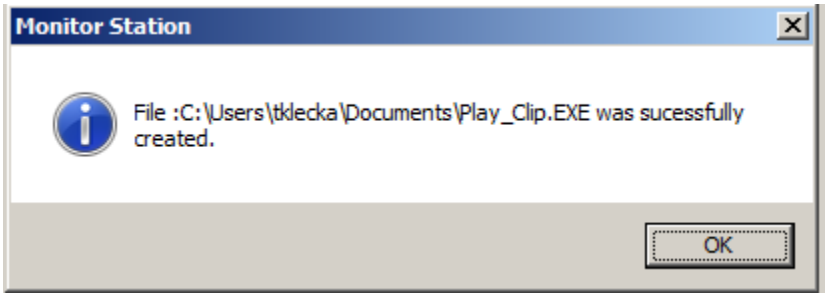
When exporting recorded video from a single camera in Monitor Station now you the option to create a self-running executable that can be password protected.



When playing back a recorded video file, hit the **Save a Clip** button in the playback controls like in previous versions. There are now two options**, Save to File** and **Create Self-Running Executable**.
Save to file works as it always has.
Select **Create Self-Running Executable** and browse to where you want to save the executable.
If you would like to make the file password protected, check **the Password Protect File** option and type in the password you would like to use. *Special Characters are allowed.
Once you have chosen the file location and File Name you would like to save the executable as, click **OK** to start the Save.



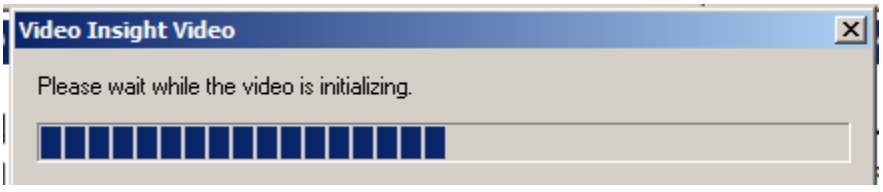
Once the clip has finished saving you will be prompted of the file location:



Browse to the executable and run it like you would any application.

If you have encrypted the executable, you will be asked to enter your password

The Player will load the video before it starts playing. The longer the clip, the longer this process will take.



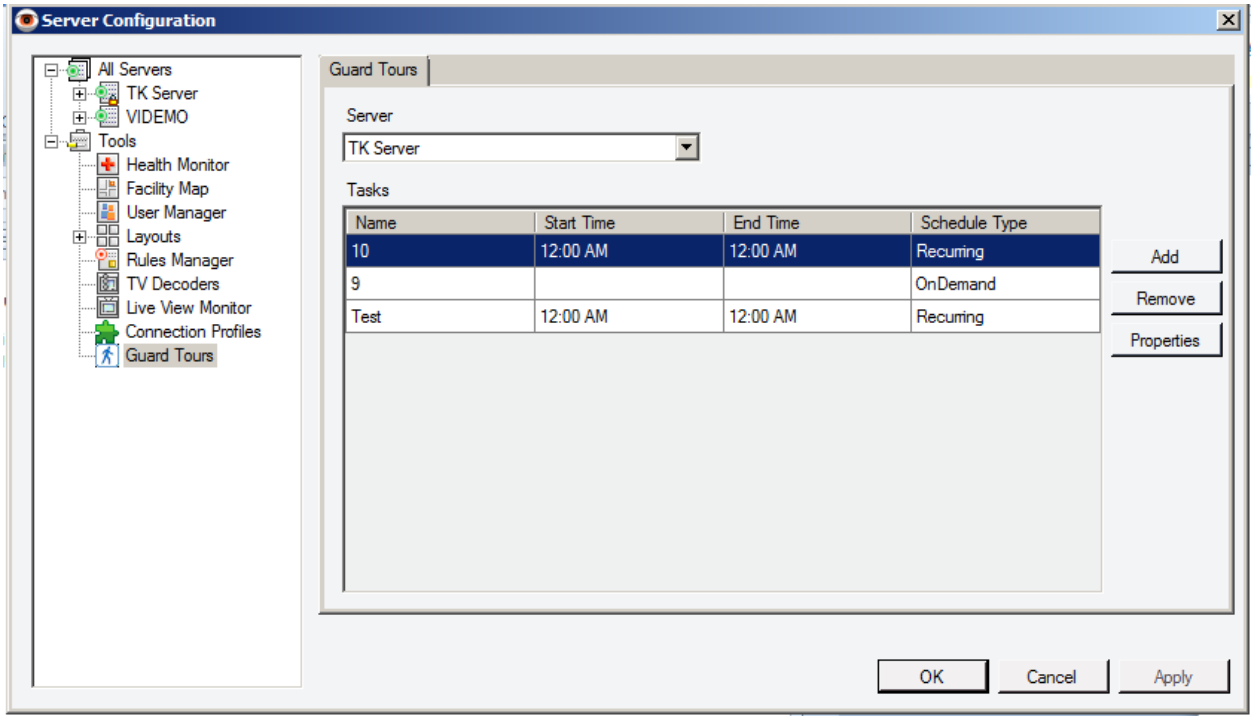
Once the video has been loaded, the Video Insight Media Player will play the video

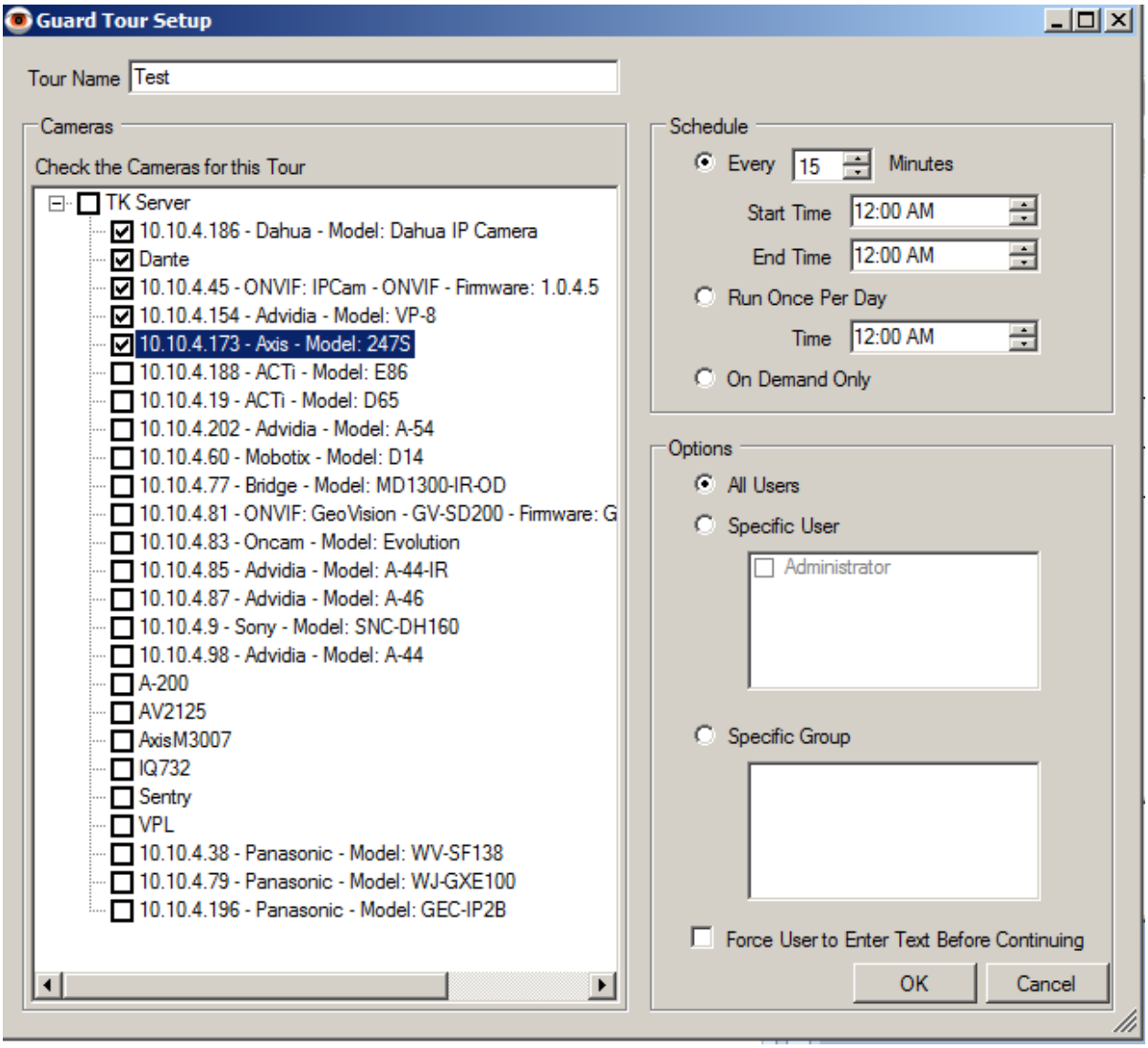
* **Note:** The executable uses the same settings as the Save Clip options in Tools Options. By default the Video Insight logo will be turned on and the video will be set to MJPEG.

Guard Tour

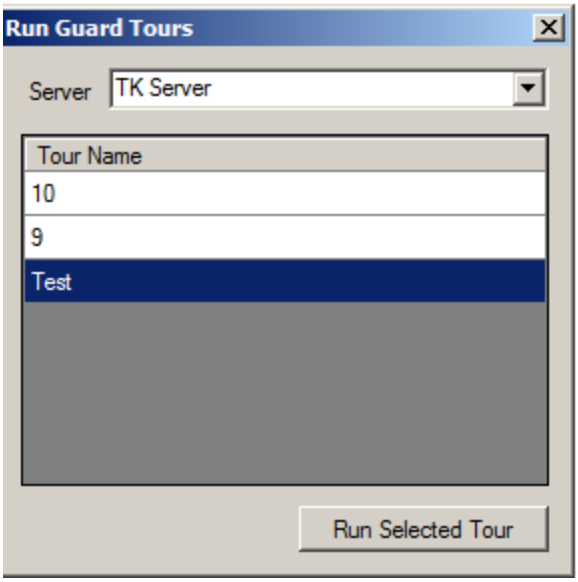
Guard Tour is a feature for End Users that have full time monitoring of live video. With Guard Tour enabled, customers can ensure that all cameras or specific cameras are being monitored at scheduled intervals or on demand. The Guard Tour feature also allows the option for the customer to force the person performing the tour to make specific notes on each video stream and displays all motion detected on each camera feed.

Guard Tours are created through the Server properties of Monitor Station

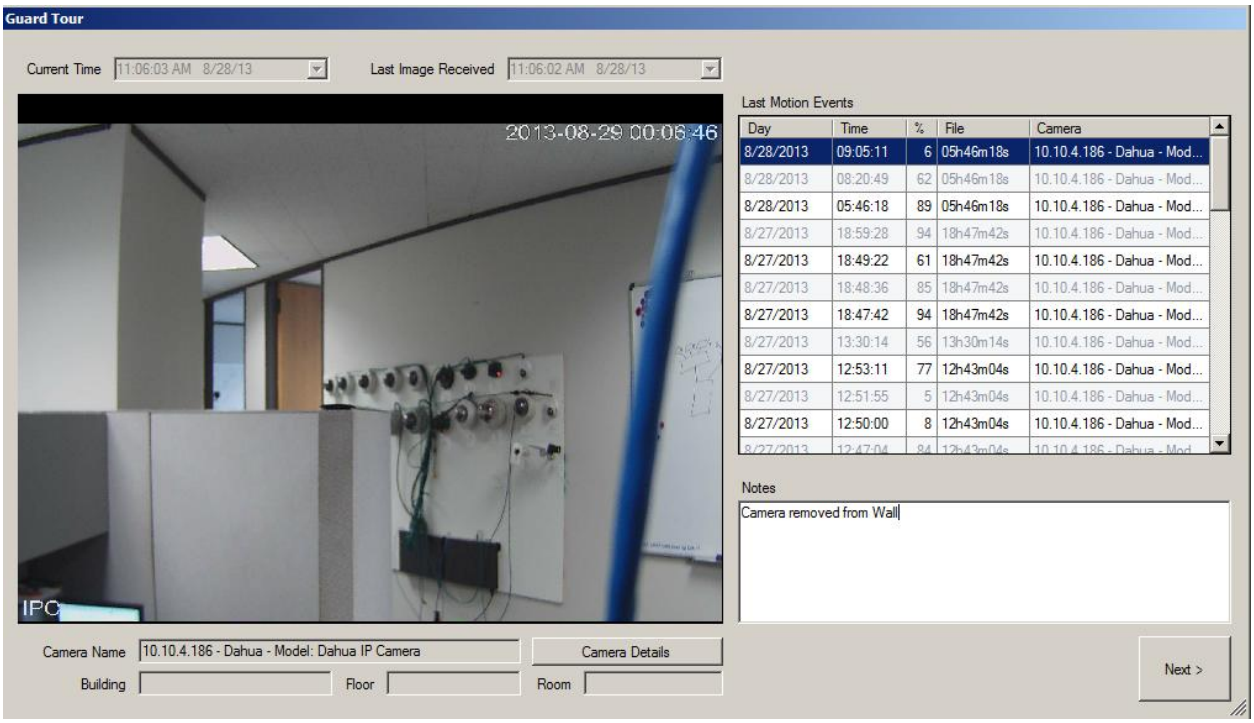




Select the Cameras you want the Guard Tour to cycle through.
Specifying a **Schedule** will have the Guard Tour run with the parameters specified in the schedule.
Choosing **On Demand Only** will make the Guard Tour only pop up when a User goes to Tool\Options\Guard Tour\Run Tour.
Options allow you to choose which Users or Groups connected to Monitor Station will see and have to complete the Guard Tour. This list is pulled from the User Manager inside Server Configuration.
Force Users to Enter Text Before Continuing requires the User to notate what they see in each tour window.

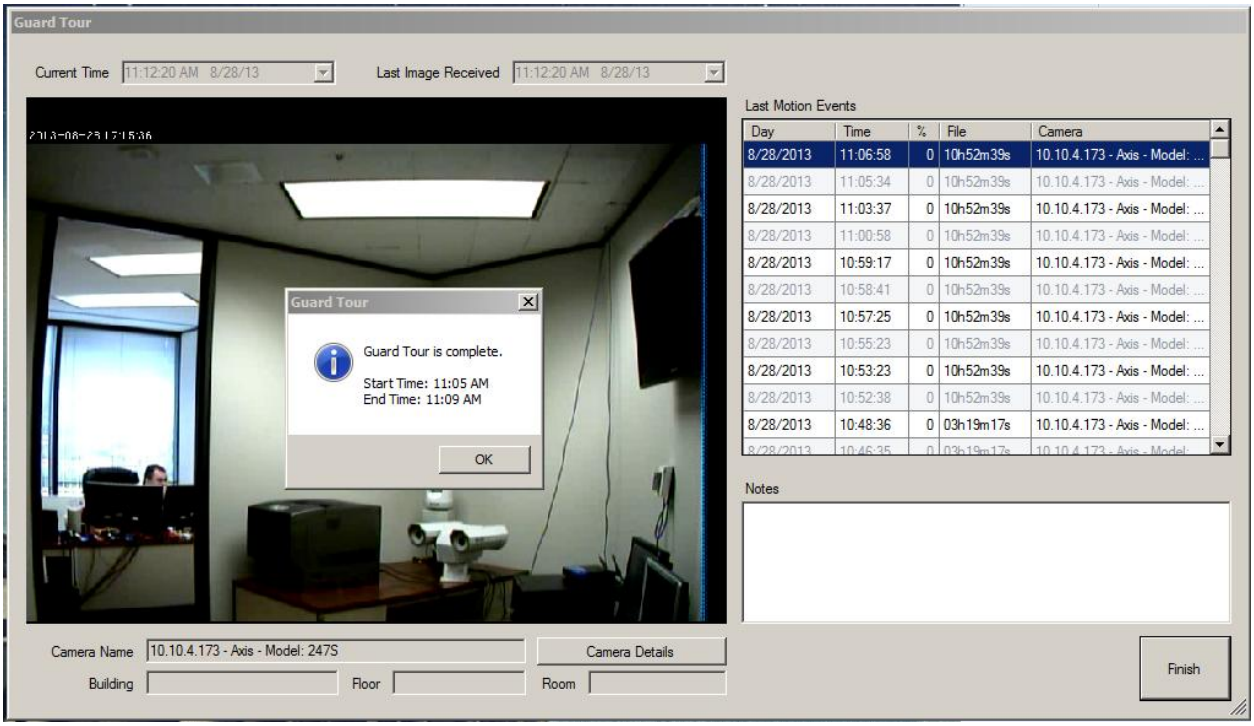


When the Guard Tour has been triggered, the User will be asked to **Select** and then **Run** the tour



A live image will appear on the left hand side of the screen. All of the recent motion events from the camera will appear in the upper right hand corner. The notes window below the Motion Events window allows the user to document what is going on in the live window during the tour. If notes are required and none are entered the User will not be able to continue through the Tour. The Camera details button displays the camera type, name, manufacturer, IP address and Camera ID of the camera being viewed.

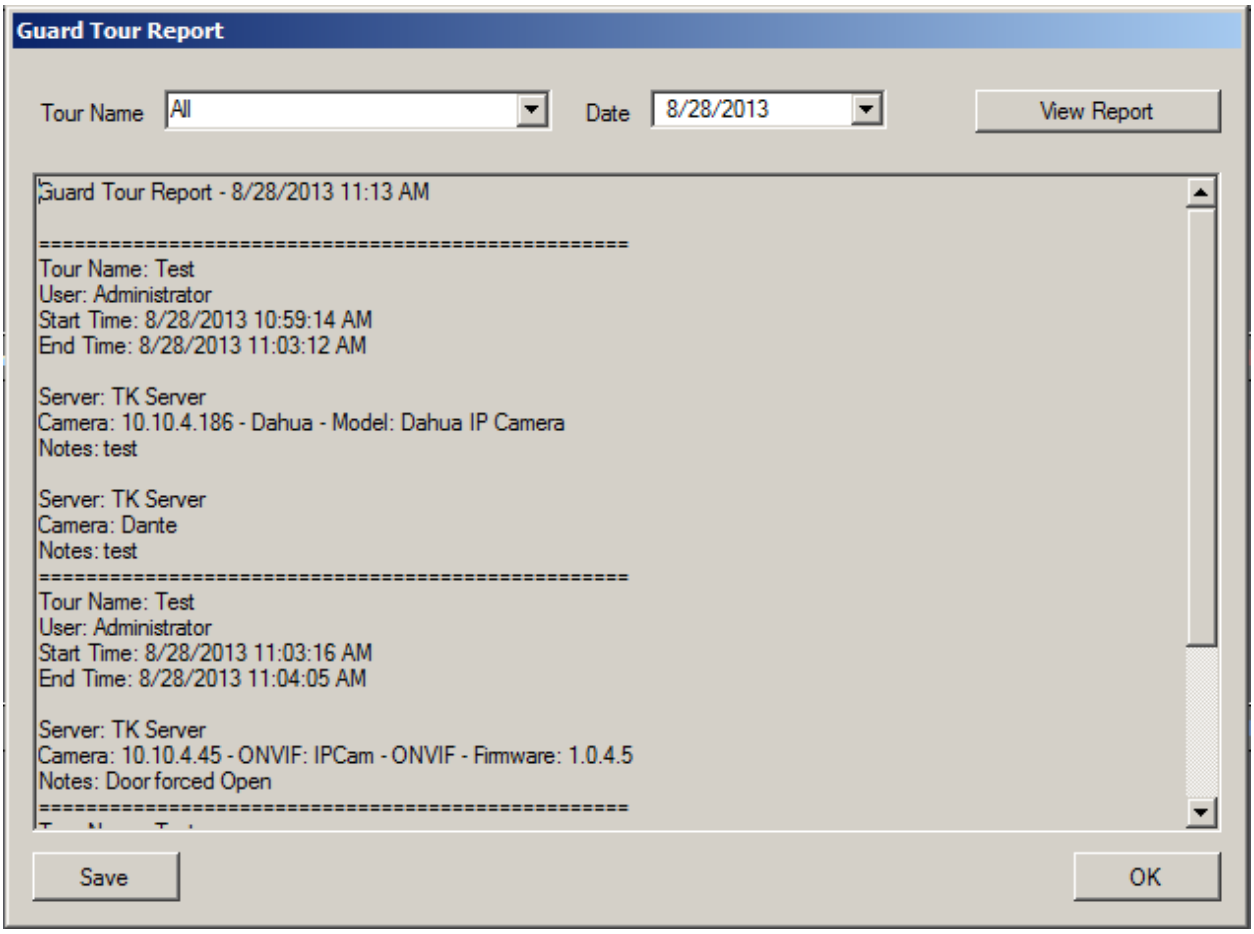
Video Insight Development Team



5.5.20 Release Notes

Clicking **Next** through the Guard Tour Window will eventually Finish the Tour, letting the User know how long it took to complete the task.

Each Tour has a report generated upon completion. This report can be viewed by going to Tools\Options\Guard Tour\Tour Report.



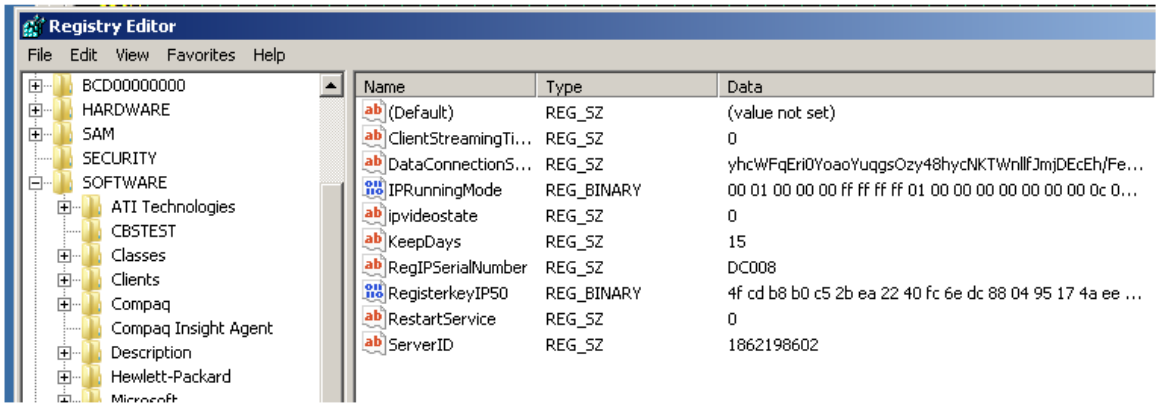
Guard Tour Report shows when the tour was started, when it ended, who ran the tour and logs any notes taken during the tour. It can be saved as a .txt file for further review at a later time.

Keep Days

This feature allows customers to keep a set number of days of recorded video instead of relying on the Reserved Disk Space. With the KeepDays registry key in place, we will only keep the number of days specified by the key. If you do not have the ability to keep this many days' worth of video, then the Reserved Disk Space limit will kick in and start deleting video as needed.

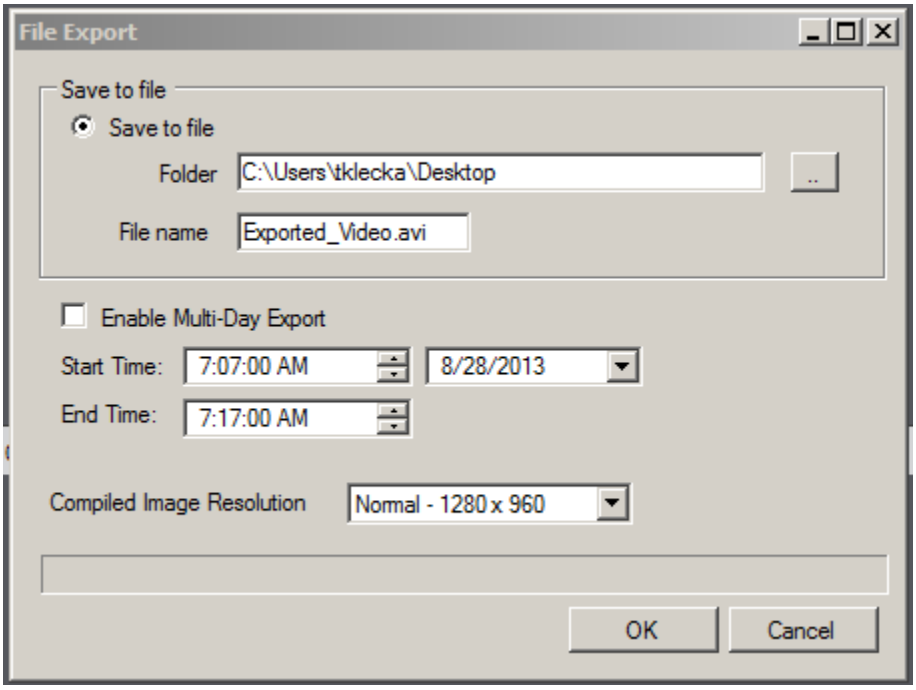
Keep only x number of days

KeepDays in Server Registry.



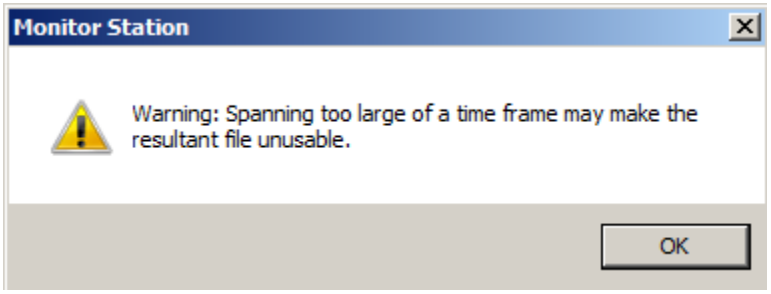
Multi Day Export for Synchronized Player

The Synchronized Player now lets you clip video across multiple days. There is no limit on the range of days you can clip, but the more days included in the clip the longer it will take to create it. The export works the same as previous versions, but now you can select a date range.

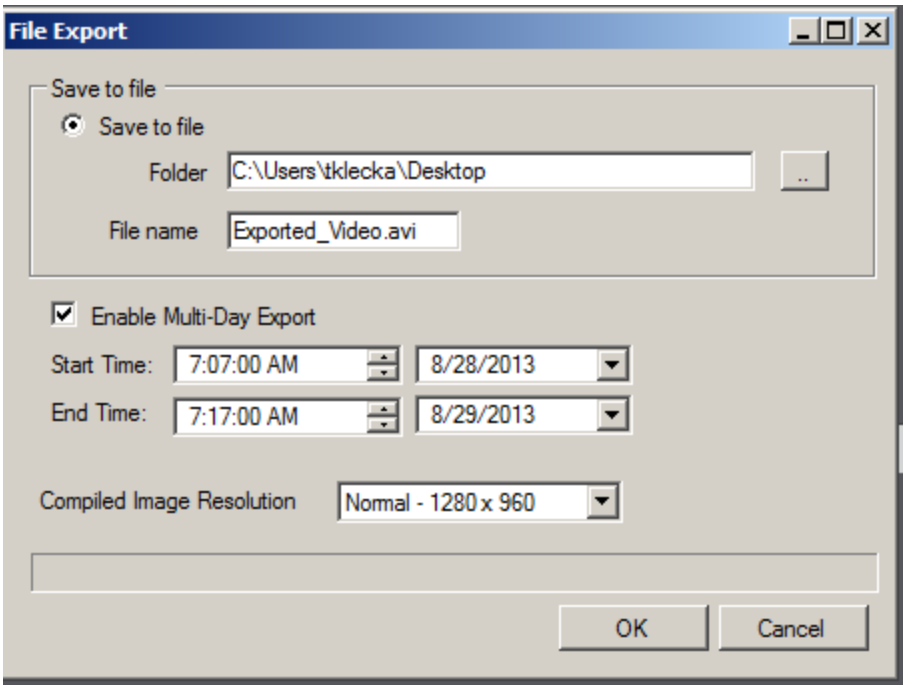


From the Synchronized Player, click on the **File Export** Button

Select **Enable Multi-Day Export** and this message will pop up:

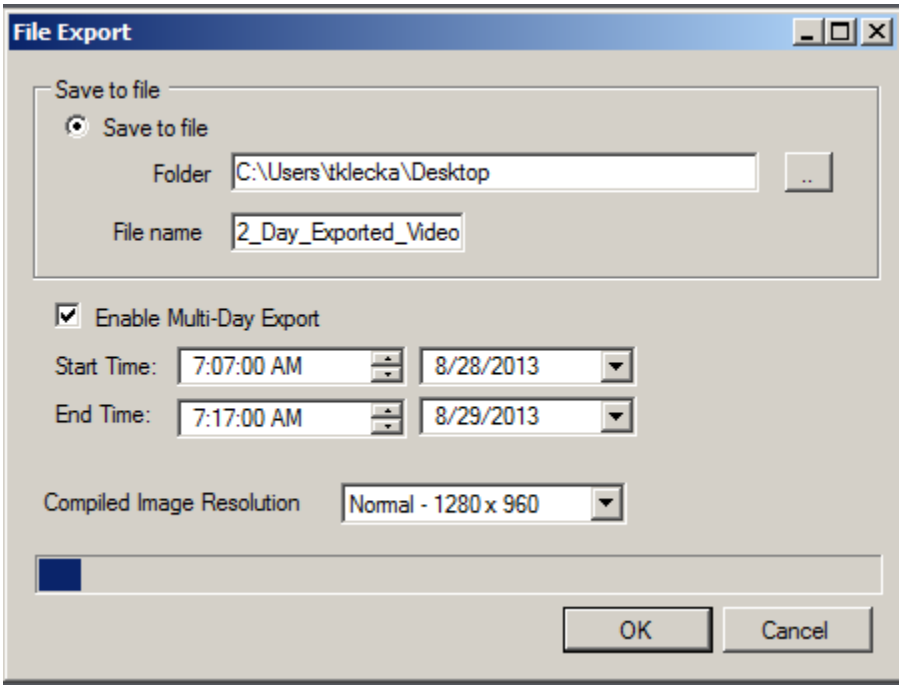


Click **OK** to continue

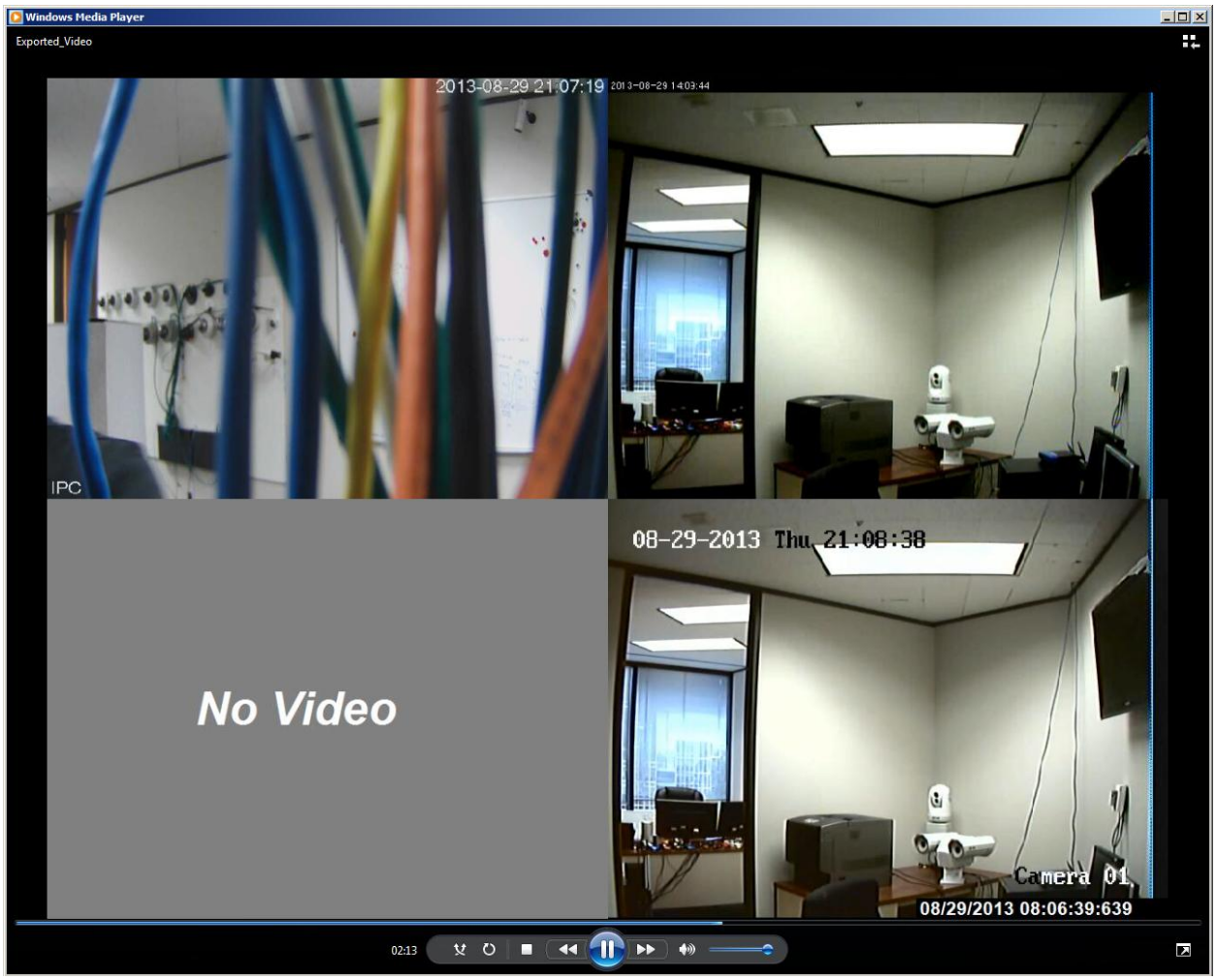


Choose the **time and date range** for the export.

* **Note:** Remember, the more days chosen, the longer it will take to clip. The compiled Image Resolution will be the resolution the exported video plays back in.



Click **Ok** and the export will begin. During the clipping you will not be able to use the Monitor Station session creating the clip. This is to prevent high CPU and Memory usage during the clipping process.



Once the video has been exported, it can be played back in Windows Media Player or any other player with a Motion JPEG codec package.

Two Way Audio for Advidia Cameras

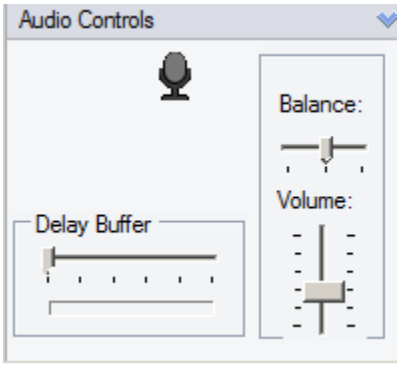
Video Insight now supports two way audio for select Advidia cameras in Monitor Station. This feature will allow End Users to listen and talk to people around one of their A Series cameras. We will add future functionality that will allow the End User to play custom recorded messages through speakers connected to the camera.

This feature is supported on the following cameras:

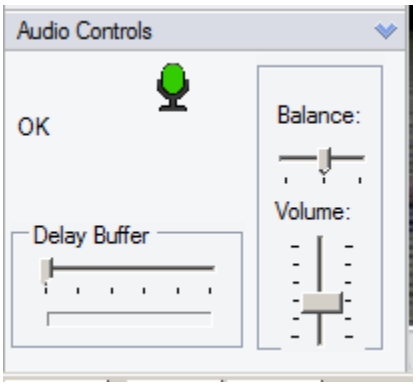
A-42, A-44, A-44-IR, A-45, A-54, A-200

For two way audio to work the camera has to have a microphone and speakers plugged into it and the PC running Monitor Station needs to have an active microphone. If one or both audio devices are missing two way audio will not work. The speakers will work if there is no microphone plugged into the camera, but the person at the other end will not be able to communicate back through the camera.

To enable two way audio, select the camera you wish to talk through and then hit the microphone button in the Audio Controls portion of the Left Tree



The microphone will turn green when you are able to talk



To disable two way communication, click the microphone and it will turn grey again.

* **Note:** To hear audio from the camera be sure to enable live audio by right clicking on the camera image and choosing Live Audio.

Camera Integration

MOBOTIX Flip

Video Insight added flip support for MOBOTIX JPEG images when the left and right images are explicitly selected.
Flip was already supported for all modes except when the left and right images are explicitly selected.

ACTi Serial PTZ Fix

Video Insight added a fix for ACTi Serial PTZ cameras such as the CAM series.
Now we will send Serial PTZ commands even when the camera does not allow Video Insight to configure the Serial ptz Settings.

* This may allow some cameras with network or password issues to still have functioning PTZ.

Advidia	Model	Format	Features
IP Camera	A-200	H.264	Audio Capture Show Clock Set Resolution Set Compression Set FPS 7xD1 Capture 2xDO Trigger Pan/Tilt/Zoom/Focus/Iris Preset Set/ Recall/Delete WebClient JPEG Auto-Discovery

CBC Ganz	Model	Format	Features
IP Cameras	ZN-B1A ZN-D1A ZN-B1M ZN-D1M ZN-B2M ZN-D2M ZN-MD2	H.264 JPEG	Audio Capture Motion Detection 1x DI Capture 1x DO Trigger WebClient JPEG
Auto-Focus Camera	ZN-M2AF	H264 JPEG	Audio Capture Motion Detection AUX AutoFocus

***These cameras do not support Normal Speed JPEG at this time. This seems to be a limitation of the camera, but we are working with CBC Ganz to address this.**

Dante	Model	Format	Features
IP Camera	DNA1125 DNA1355 DNA1135 DNA1365 DNA1145 DNA1435 DNA1165 DNA1440 DNA1185 DNA1450 DNA1335 DNA1465	H.264 MJPEG	Audio Capture Motion Detection Set Codec Set Compression Set FPS 1xD1 Capture

	DNA1345 DNA1470		
PTZ	DNA1290 DNA1970 DNA1982 DNA1985 DNA1990	H.264 MJPEG	Audio Capture Motion Detection Set Codec Set Compression Set FPS 1xD1 Capture Pan/Tilt/Zoom/Focus/Iris Preset Set/Recall/Delete

GeoVision	Model	Format	Features
ONVIF Profile S-360	GV-FE420 GV-FE2301 GV-FE421 GV-FE4301 GV-FE520 GV-FER521 GV-FE521 *Note: We do not support Server Side Dewarp for these cameras	H.264 JPEG	Audio Capture Motion Detection WebClient JPEG
ONVIF Profile S-Fixed	GV-5300-E GV-BX3400 GV-MDR220 GV-BL120D GV-CA120 GV-MDR320 GV-BL130D GV-CA220 GV-MDR520 GV-BL220D GV-CAW120 GV-MFD120 GV-BL320D GV-CAW220 GV-MFD130 GV-BL1200 GV-CB120 GV-MFD220 GV-BL1210 GV-CB220 GV-MFD320 GV-BL1300 GV-CBW120 GV-MFD520 GV-BL2400 GV-CBW220 GV-UBL1211 GV-BL2410 GV-FD120D GV-UBL1301 GV-BL3400 GV-FD220D GV-UBL2401 GV-BL3410 GV-FD320D GV-UBL2411 GV-BL5310 GV-FD1200 GV-UBL3401 GV-BX120D GV-FD1210 GV-UBL3411 GV-BX130D GV-FD2400 GV-UBX1301 GV-BX140D GV-FD2410 GV-UBX2301 GV-BX220D GV-FD3400 GV-UBX3301 GV-BX320D GV-FD3410 GV-VD120D GV-BX520D GV-FD5300 GV-VD220D GV-BX2400 GV-MDR120 GV-VD320D	H.264 JPEG	Audio Capture Motion Detection WebClient JPEG
ONVIF Profile S-PTZ	GV-PT130D GV-PT220D	H.264 JPEG	Audio Capture Motion Detection

	GV-PT320D		WebClient JPEG Pan/Tilt/Zoom/Focus/Iris Preset Set/Recall/Delete

* **Admin**
* Support for these cameras requires that they be flashed to the latest firmware with support for "ONVIF Profile S".

iVigil	Model	Format	Features
IP Camera	TND2A *Note: This camera will only stream Video and Audio over UDP in our software	H.264 JPEG	Audio Capture Motion Detection Show Clock Set Compression Set FPS Flip 1xD1 Capture 1xDO Trigger WebClient JPEG

Flir	Model	Format	Features
FLIR D-Series	D-313 D-324 D-334 D-348 D-618 D-625 D-645	H264 MJPEG	Auto-Focus Auto-IRIS White/Black WebClient JPEG Pan/Tilt/Zoom/Focus/Iris Preset Set/Recall/Delete
PT-Series	PT-112 PT-304 PT-606 PT-117 PT-307 PT-610 PT-124 PT-313 PT-612 PT-324 PT-618 PT-334 PT-625 PT-348 PT-645	H264 MJPEG	Auto-Focus Auto-IRIS White/Black WebClient JPEG Pan/Tilt/Zoom/Focus/Iris Preset Set/Recall/Delete
FC-Series	FC-309 FC-618 FC-313 FC-632 FC-324 FC-645 FC-334 FC-669 FC-348 FC-690 FC-363	H264 MJPG	Auto-Focus Auto-IRIS White/Black WebClient JPEG

*** Focus or Iris related features are dependent on the Sensor Type, Model Number, and Lens Options sold with the camera.**